Dialer Card Page 1 of 1

## VTK INDUSTRIAL LTD

Products >> Gifts&Premium Products >> Telecom Products >> DTMF CARD



### DTMF CARD

-DIAL TEL NO.

FOR YOUU

Description: It's not a **RINGING** card!! *Dialer-Card* helps to link you up with your customer closely. Put the *Dialer-Card* on top of the phone hand set, a single PRESS the button, *Dialer-Card* automatically dials out the telephone number pre-set.

Get yourself easier be contacted with *Dialer-Card*.

Customer logo and card designs welcome. Isn't it good for

promotion?

Programmer can be sold to Advertising Consultant separately to pre-set telephone numbers. Pls visit programmer

Battery: AG3 (Button Batteries) x 2 pcs included

Lifetime : 1000 times dialing

Availability: 3 weeks after order confirmation

Contact us: enquiry@vtk.com.hk(Solina Chang - Sales Manageress)

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### Navigation

► Company

► Showroom

► Inquiry

## **Teleworld Corporation**

### **Product**

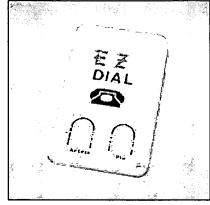
Product ID:302

Print this page Send an inquiry



Valet Parking Key
Lock
Key locks reduce
theft, easy to use fit
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security, \$19.95

www.parkingzone.com



Auto Dialer Card, Two Number Preset

## Earthquake Safety Items

Furniture Safety and T.V. Straps Cabinet latches and many more. www.safeandsecurebaby.

### Specifications:

- Size: Rectangle, Credit Card Size, 86X54X6 m/m
- Weight: 18-24 gram
- Materials: ABS Casing, Electronic Component Inside
- Storage Capacity: Two Number, 16 Digits Length Each, Presetable In Factory
- Power Source: Alkaline Battery, Button Cell Ag3 X2

# Save on Combination locks

Great prices, ships within 24 hours Kaba Ilco, Trilogy, Simplex, Unican www.locksearch.com

### Features:

- Good For Long Distance Service Company And Premium Market
- Thinnest Design With Acceptable Cost
- Optional Card Stand To Hold The Card Stand On Desk Or Attach To Wall
- Whole Face Can Be Used To Print Large Logo
- Each Piece Can Be Input Different Number To Store User Oriented Number

### **Furniture Locks**

Locks for Desks, Cabinets, Files File Cabinets, Utility Locks http://www.mrlock.com

### Ordering information:

Minimum Order:500 Pcs

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Company

→ Showroom

Inquiry

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Tired of Cold Calling? Postcard Marketing Works Put a Card in Their Hands www.zairmail.com	Click here for details.	201K Auto dialer keychain, one number preset		Click here for details.	Auto Dialer Keychain, One Number User Program	
Expert Lead Generation Quality Sales Leads That Work Increase ROI w/ Targeted Marketing	Click here for details.	203 Tone Dialer With Keychain		முளி மெர்கள் இருக்க முன் Click here for details.	Tone Dialer Card	
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L	Hits	Search Text	DB	Time stamp
Number			į	1
30	728	resonan\$3 near transducer	USPAT	2004/02/20 09:39
31	16	(resonan\$3 near transducer) and card	USPAT	2004/02/20
32	9932	(plural\$4 or multipl\$5 or second) near (transducer or speaker)	USPAT	2004/02/20
33	543	1 ·	USPAT	2004/02/20 09:43
34	70	1 ·	USPAT	2004/02/20 10:05
37	0	((plural\$4 or multipl\$5 or second) near (transducer or speaker) near (acoustic or sound)) with card	USPAT	2004/02/20 10:50
36	242	1	USPAT	2004/02/20 10:50

5/5,K/2 (Item 2 from fixe: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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#### 00248313

Data card with inductive signal transfer device.

Datenkarte mit induktiver Signalubertragungseinrichtung.

Carte de donnees a dispositif de transfert de signaux de maniere inductive. PATENT ASSIGNEE:

KABUSHIKI KAISHA TOSHIBA, (213130), 72, Horikawa-cho Saiwai-ku, Kawasaki-shi Kanagawa-ken 210, (JP), (applicant designated states: DE;FR;GB)

TOSHIBA AUDIO VIDEO ENGINEERING CO., LTD., (722721), 3-3-9, Shinbashi Minato-ku, Tokyo, (JP), (applicant designated states: DE;FR;GB)

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Ohmi, Kunio, 6-19-34, Kikuna Kohoku-ku, Yokohama-shi Kanagawa-ken, (JP) Sato, Toshiaki, 5-9-13, Kikuna Kohoku-ku, Yokohama-shi Kanagawa-ken, (JP) Shinozaki, Masayuki, 1125, Nishiya-cho Hodogaya-ku, Yokohama-shi Kanagawa-ken, (JP)

LEGAL REPRESENTATIVE:

Muir, Ian R. et al (34151), HASELTINE LAKE & CO. Hazlitt House 28 Southampton Buildings Chancery Lane, London WC2A 1AT, (GB) PATENT (CC, No, Kind, Date): EP 249356 Al 871216 (Basic)

EP 249356 B1 910724

APPLICATION (CC, No, Date): EP 87304623 870526;

PRIORITY (CC, No, Date): JP 86119311 860526; JP 86201715 860829; JP 86201729 860829

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06K-019/067; G06K-007/08;

CITED PATENTS (EP A): EP 180380 A; DE 1152742 B; GB 2148075 A; US 4277837 A; WO 8604705 A

### ABSTRACT EP 249356 A1

A data card which can be resiliently flexed to a degree. The data card includes a laminated structure member (10) having at least a synthetic resin protective layer (11, 13) and a ferromagnetic material layer (12), an electric circuit device (14a, 14b) embedded in the laminated structure member (10) and an electro-magnetic transducer (15) having a pair of coils (16, 17) which are formed on the laminated structure member (10). The pair of coils (16, 17) are coupled to the electric circuit device (14a, 14b) for generating magnetic fluxes (16m, 17m) of opposite directions with each other according to information signal applied from the electric circuit device (14a, 14b). Or the pair of coils (16, 17) are provided for receiving magnetic fluxes (23m, 24m) of opposite directions with each other and coupled to the electric circuit device (14a, 14b) for applying an electric signal generated by the magnetic fluxes (23m, 24m) of opposite directions thereto.

ABSTRACT WORD COUNT: 159

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 871216 Al Published application (Alwith Search Report

; A2without Search Report)

Examination: 871216 Al Date of filing of request for examination:

870615

Examination: 891206 A1 Date of despatch of first examination report:

891020

Grant: 910724 Bl Granted patent
Oppn None: 920715 Bl No opposition filed

LANGUAGE (Publication, Procedural, Application): English; English

FULLTEXT AVAILABILITY:

Available Text Language Update Word Count CLAIMS B (English) EPBBF1 1045 CLAIMS B (German) EPBBF1 523

CLAIMS B (French) EPBBF1 640

	SPEC	В	(Er	nglish)	E	BF1	6364
Total	word	count	-	documer	nt A		0
Total	word	count	-	documer	nt B		8572
Total	word	count	_	documer	nts A	+ B	8572

- ...SPECIFICATION the IC card 10 is applied into the conventional magnetic card reader (not shown). The magnetic card reader is provided with first, second and third magnetic heads 25a, 25b and 25c. These magnetic heads 25a, 25b and 25c are...the IC card 10 operates to receive information data of card readers, e.g., the IC card reader adapted for the Ic card IC card 10 and also the conventional magnetic card reader as described above. The second inductive signal transfer device 15b has a construction identical with the first inductive signal
- ...IC card 10 will be described when the IC card 10 is applied to the IC card reader. In the IC card reader, the second inductive signal transfer device 15b faces to the corresponding second electro-magnetic transducer 22b provided in the IC card reader. Typically, the second inductive signal transfer device 15b has a construction identical with the first electro-magnetic transducer 22a. That is, the second electro-magnetic transducer 22b is comprised of a pair of coils, i.e., first and second coils 23, 24. In the state as described above, the...
- ...signal transfer device 15b face to the first and second coils 23, 24 of the second electro -magnetic transducer 22b, respectively. When the second inductive signal transfer device 15b is activated by a signal of the IC card reader, the first coil 23 of the second electro-magnetic transducer 22b generates a magnetic flux 23m which flows, for example, downward in the drawing from the first coil 23 to the IC card 10. On the other hand, the scond coil 24 of the second electro-magnetic transducer 22b generates a magnetic flux 24m which flows upward in the drawing from the IC card 10 to the second coil 24, in opposite to the first coil 23. The magnetic fluxes 23m, 24m flow through the first and second coils 23, 24 of the second electro-magnetic transducer 22b and the central ferromagnetic material layer 12 of the IC card 10 so that the magnetic fluxes 23m, 24m make a loop of magnetic flux 22bm...

s (smartcard? or chipcar or (smart or chip?)()card? ?)( (transducer? tone()generator or dialer? or autodialer?)(4n)(integral? or embed? or within?)

3	File
50	files
100	files
150	files
200	files
250	files
300	files
350	files
400	files
450	files
500	files
550	files
	50 100 150 200 250 300 350 400 450 500

No files have one or more items; file list includes 551 files. One or more terms were invalid in 2 files.

Set	Items Description
S1	38561 SMARTCARD? OR CHIPCARD? OR (SMART OR IC OR CHIP) () CARD? ? -
	OR AUTODIALER? OR AUTO()DIALER? OR TOKEN?
S2	194085 TRANSDUCER? OR SOUNDBOARD? OR SPEAKER? OR LOUDSPEAKER? OR -
	(ACOUSTIC OR TONE OR SOUND) () GENERATOR?
s3	13802 S2(2N) (MULTIPL? OR PLURAL? OR SEVERAL OR DIFFERENT OR VARI-
	OUS OR VARIET? OR TWO OR SECOND OR THREE)
S4	12 S1 AND S3
S5	152 S1 AND S2 AND (AUDIO? OR SOUND? OR TONE? OR MUSIC?)
S6	33 S5 AND (MULTIPL? OR PLURAL? OR VARIOUS? OR SECOND OR 2ND OR
	ANOTHER? OR TWIN OR PAIR?)
S7	10 S6 AND IC=(G06F? OR H04L?)
S8	9 S7 NOT S4
S9	O (SMARTCARD? OR CHIPCARD? OR (SMART OR IC OR CHIP) () CARD? ?
	OR HANDHELD OR PALMTOP? OR PEN) (4N) (AUTODIALER? OR AUTO()DIAL-
010	ER?)
S10	2 (SMARTCARD? OR CHIPCARD? OR (SMART OR IC OR CHIP) () CARD? ?
	OR HANDHELD OR PALMTOP? OR PEN OR PORTABLE)(10N)(AUTODIALER? OR AUTO()DIALER?)
S11	1808 (SMARTCARD? OR CHIPCARD? OR (SMART OR IC OR CHIP OR MONDEX-
311	) () CARD? ? OR HANDHELD OR PALMTOP? OR PEN OR PORTABLE?) (10N) (-
	DIALER? OR S2)
S12	111 S3 AND S11
S13	13 S12 AND IC=(G06F? OR H04L?)
	347: JAPIO Oct 1976-2003/Oct (Updated 040202)
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File	350:Derwent WPIX 1963-2004/UD,UM &UP=200412
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8/5/8 (Item 5 from file 50)
DIALOG(R)File 350: Derwent WPIX
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008793784 \*\*Image available\*\*
WPI Acc No: 1991-297798/199141
XRPX Acc No: N91-228178

Coded emitter for telephone based transactions - uses encoded acoustic transmission over telephone system with encoding changing at each use of emitter

Patent Assignee: BERNARD A (BERN-I)

Inventor: BERNARD A

Number of Countries: 016 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applic	cat No	Kind	Date	Week	
EP 451056	Α	19911009	EP 914	100915	Α	19910404	199141	·B
FR 2660776	Α	19911011					199151	
US 5182767	Α	19930126	US 916	80551	Α	19910404	199307	
JP 6070048	Α	19940311	JP 919	99800	A	19910405	199415	
EP 451056	В1	19950301	EP 914	100915	Α	19910404	199513	
DE 69107652	E	19950406	DE 607	7652	Α	19910404	199519	
			EP 914	100915	A	19910404		
ES 2071247	Т3	19950616	EP 914	100915	A	19910404	199531	
JP 3009751	B2	20000214	JP 919	99800	Α	19910405	200013	

Priority Applications (No Type Date): FR 904367 A 19900405

Cited Patents: 1.Jnl.Ref; EP 61373; JP 61043050

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 451056 A 7

Designated States (Regional): AT BE CH DE ES FR GB GR IT LI LU NL SE JP 3009751 B2 5 H04M-011/00 Previous Publ. patent JP 6070048

US 5182767 A 5 H04M-001/26 JP 6070048 A 7 H04M-011/00 EP 451056 B1 F 6 G07F-007/08

Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DE 69107652 E G07F-007/08 Based on patent EP 451056

ES 2071247 T3 G07F-007/08 Based on patent EP 451056

Abstract (Basic): EP 451056 A

The portable electronic unit has an acoustic emitter (10) and a driver (12) generating **tones** corresponding to keys on a telephone, and a circuit (34) that forms a digital message (M). The message generator has a memory (14) containing an identification code (N) and a key (C). The digital message changes at each use and is set by the values of the code and key.

A circuit (16) translates the number stream to signals that e control the **tones** delivered by the acoustic emitter.

ADVANTAGE - - Increased security against misuse in systems allowing payment for services over telephone. (7pp Dwg.No.1/2 Title Terms: CODE; EMITTER; TELEPHONE; BASED; TRANSACTION; ENCODE; ACOUSTIC; TRANSMISSION; TELEPHONE; SYSTEM; ENCODE; CHANGE; EMITTER Derwent Class: T01; T05; W01

International Patent Class (Main): G07F-007/08; H04M-001/26; H04M-011/00
International Patent Class (Additional): G07C-009/00; G07F-001/06;

G07F-017/28; H04L-009/32; H04M-011/06

File Segment: EPI

4/5/3 (Item 3 from file 347)
DIALOG(R)File 347: JAPIO
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02320693 \*\*Image available\*\*
THIN FILM MAGNETIC TRANSDUCER

PUB. NO.: 62-237593 [JP 62237593 A] PUBLISHED: October 17, 1987 (19871017)

INVENTOR(s): SHINOZAKI MASAYUKI

APPL. NO.:

APPLICANT(s): TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP

(Japan)

TOSHIBA AUDIO VIDEO ENG CORP [485538] (A Japanese Company or

Corporation), JP (Japan) 61-080055 [JP 8680055]

FILED: April 09, 1986 (19860409)

INTL CLASS: [4] G06K-019/00; B42D-015/02; G11B-005/31

JAPIO CLASS: 45.3 (INFORMATION PROCESSING -- Input Output Units); 29.4

(PRECISION INSTRUMENTS -- Business Machines); 30.9 (MISCELLANEOUS GOODS -- Other); 42.5 (ELECTRONICS --

Equipment)

JOURNAL: Section: P, Section No. 685, Vol. 12, No. 104, Pg. 148, April

06, 1988 (19880406)

### **ABSTRACT**

PURPOSE: To reduce crosstalk among plural magnetic transducers by constituting notched parts on a ring-like soft magnetic film formed on each thin film magnetic transducer so that magnetic gaps are irregularly formed.

CONSTITUTION: The ring-like magnetic film 2 is formed on a non-magnetic base 1, a thin film coil 4 is wound around the film 2 and the notched parts 3 to be magnetic gaps are formed on a part of the film 2 to form the thin film magnetic transducer 5. Plural thin film magnetic transducers 5 are arranged in parallel and built in an IC card and the contents stored in the IC card are read out by a magnetic card reader through the transducers. Since the notched parts 3 on the magnetic film 2 formed on each transducer are constituted so that magnetic gaps are irregularly formed, crosstalk among respective transducers can be reduced.

4/5/6 (Item 3 from file DIALOG(R) File 350: Derwent WPIX (c) 2004 Thomson Derwent. All rts. reserv. 012807083 \*\*Image available\*\* WPI Acc No: 1999-613313/199953 XRPX Acc No: N99-452194 Authentication device for use over a telephone Patent Assignee: INT COMPUTERS LTD (INCM ) Inventor: HOLT N P Number of Countries: 002 Number of Patents: 003 Patent Family: Patent No Kind Date Applicat No Kind Date Week GB 2337894 19991201 GB 9910440 19990506 199953 Α Α GB 2337894 В 20000510 GB 9910440 Α 19990506 200026 US 99311512 US 6404862 В1 20020611 Α 19990513 200244 Priority Applications (No Type Date): GB 9811446 A 19980529 Patent Details: Patent No Kind Lan Pg Main IPC Filing Notes GB 2337894 Α 11 H04L-009/32 GB 2337894 H04L-009/32 В US 6404862 H04M-011/00 В1 Abstract (Basic): GB 2337894 A NOVELTY - An authentication device is a hand held unit that has a flap (2) connected to a main body (1) by a hinge (3). The main body has a slot which can receive a smart card (5). A flat audio piezoelectric transducer acts as a loudspeaker and is mounted on the main body. A similar transducer acts as a microphone (7) mounted in the flap and is slidable within the slot (8) to allow adjustment of the distance between the two transducers . An LED is provided on the back of the flap. USE - For the authentication of an identity over a telephone line, e.g. to obtain bank account details. ADVANTAGE - The device is inexpensive and is less complex than other similar devices. DESCRIPTION OF DRAWING(S) - The drawing is a front view of an authentication device. Main body (1) Flap (2) Hinge (3) Smart **card** (5) Microphone (7) Slot (8) pp; 11 DwgNo 1/5 Title Terms: AUTHENTICITY; DEVICE; TELEPHONE Derwent Class: S05; T01; T04; T05; W01 International Patent Class (Main): H04L-009/32; H04M-011/00 File Segment: EPI

?s multispeaker (3n) (dialer. r autodialer?)

Your SELECT statement is:

s multispeaker (3n)(dialer? or autodialer?)

Items	s F	File
Examined	50	files
Examined	100	files
Examined	150	files
Examined	200	files
Examined	250	files
Examined	300	files
Examined	350	files
Examined	400	files
Examined	450	files
Examined	500	files
Examined	550	files

No files have one or more items; file list includes 551 files.

R CHIPCARD? OR (SMART OR IC OR S1 14191 SMARTCARD? IP) () CARD? ? 259984 TRANSDUCER? OR SOUNDBOARD? OR SPEAKER? OR LOUDSPEAKER? OR S2 (ACOUSTIC OR TONE OR SOUND) () GENERATOR? S3 16263 S2(2N) (MULTIPL? OR PLURAL? OR SEVERAL OR DIFFERENT OR 4 RD (unique items S5 (SMARTCARD? OR CHIPCARD? OR (SMART OR IC OR CHIP OR S6 11 MONDEX) () CARD? ?) (5N) (AUTODIALER? OR DIALER? OR S2 OR AUDIO()GENERATOR?) O TOKEN? (3N) (DIALER? OR AUTODIALER?) **S7** S8 11 RD S6 (unique items) 8:Ei Compendex(R) 1970-2004/Feb W2 (c) 2004 Elsevier Eng. Info. Inc. 35:Dissertation Abs Online 1861-2004/Jan (c) 2004 The Gale Group File 233:Internet & Personal Comp. Abs. 1981-2003/Sep (c) 2003 EBSCO Pub. 6:NTIS 1964-2004/Feb W4 File (c) 2004 NTIS, Intl Cpyrght All Rights Res File 144: Pascal 1973-2004/Feb W2 (c) 2004 INIST/CNRS File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec (c) 1998 Inst for Sci Info \*File 434: New prices as of 1/1/2004 per Information Provider request. See HELP RATES434. File 34:SciSearch(R) Cited Ref Sci 1990-2004/Feb W2 (c) 2004 Inst for Sci Info

\*File 34: New prices as of 1/1/2004 per Information Provider request. See HELP RATES 34.

File 99: Wilson Appl. Sci & Tech Abs 1983-2004/Jan (c) 2004 The HW Wilson Co.

95:TEME-Technology & Management 1989-2004/Feb W1

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File

8/5/7 (Item 3 from file 4)
DIALOG(R)File 94:JICST-EPlus
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00697932 JICST ACCESSION NUMBER: 88A0562434 FILE SEGMENT: JICST-E

Development of thin film magnetic- transducer contained in an IC card
allowing common use of magnetic stripe card reader system.

OHTA TOSHIHİKO (1); OHMI KUNIÖ (1); OKANO SUMIO (1); FUSE KAZUYOSHI (1); IZAWA FUMIO (1); SHINOZAKI MASAYUKI (2)

(1) Toshiba Corp., Home Appliance Engineering Lab.; (2) Toshiba Audio Video Engineering Co., Ltd.

Denshi Joho Tsushin Gakkai Zenkoku Taikai Koen Ronbunshu(Spring National Convention Record, the Institute of Electronics, Information and Communication Engineers), 1988, VOL.1988, NO.Autumn Pt. C-2, PAGE.C.2.10, FIG.2, TBL.1

JOURNAL NUMBER: G0508ADY

UNIVERSAL DECIMAL CLASSIFICATION: 621.382:537.633 681.327.2

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Conference Proceeding ARTICLE TYPE: Short Communication MEDIA TYPE: Printed Publication

DESCRIPTORS: magnetoelectric device; credit card; data reading; magnetic thin film; magnetic head; IC card

BROADER DESCRIPTORS: solid state device; card(sheet); data processing; information processing; treatment; magnetic substance; magnetic material; material; thin film; membrane and film; recording head; magnetic component; parts

CLASSIFICATION CODE(S): NCO3100X; JCO4050U

Set	Items	Description
S1	16550	SMARTCARD? OR CHIPCARD? OR (SMART OR IC OR CHIP) () CARD? ? -
	C	R AUTODIALER? OR DIALER?
S2	88466	TRANSDUCER? OR SOUNDBOARD? OR SPEAKER? OR LOUDSPEAKER? OR -
	(	ACOUSTIC OR TONE OR SOUND) () GENERATOR?
S3	13531	S2(2N) (MULTIPL? OR PLURAL? OR SEVERAL OR DIFFERENT OR VARI-
	0	OUS OR VARIET? OR TWO OR SECOND OR THREE)
S4	2	S1 (5N) S3
S5	6	S1 (10N) S3
S6	40151	(ACOUSTIC? OR SOUND? OR TONE OR MUSIC OR AUDIO OR DTMF OR -
	F	SK OR MULTITONE) () GENERATOR? OR SPEAKER? OR LOUDSPEAKER? OR -
	S	OUNDBOARD? OR DIALER? OR AUTODIALER?
s7	3524	S6(2N) (MULTIPLE OR MULTIPLICITY OR PLURAL OR PLURALITY OR -
	S	ECOND OR 2ND OR TWO OR VARIOUS OR SEVERAL)
S8	82	(SMARTCARD? OR CHIPCARD? OR CARD? ? OR PCMCIA) (15N) S7
S9	15	S8 AND IC=G06F?
S10	. 14	S9 NOT S5
S11	14	IDPAT (sorted in duplicate/non-duplicate order)
S12	14	IDPAT (primary/non-duplicate records only)
S13	133	S1(10N)S6(2N) (EMBED? OR WITHIN OR INTERNAL OR INTEGRAL? OR
	I	NTEGRAT?)
S14	36	S13 AND IC=(G06F? OR H04L?)
S15	10	S14 NOT AD>19991221
S16	10	S15 NOT (S12 OR S5)
File	348:EUROP	EAN PATENTS 1978-2004/Feb W03
		004 European Patent Office
File	349:PCT F	ULLTEXT 1979-2002/UB=20040219,UT=20040212
	(c) 2	004 WIPO/Univentio

Set	Items	Description
S1	16550	SMARTCARD? OR CHIPCARD? OR (SMART OR IC OR CHIP) () CARD? ? -
	0	R AUTODIALER? OR DIALER?
S2	88466	TRANSDUCER? OR SOUNDBOARD? OR SPEAKER? OR LOUDSPEAKER? OR -
	(	ACOUSTIC OR TONE OR SOUND) () GENERATOR?
s3	13531	S2(2N)(MULTIPL? OR PLURAL? OR SEVERAL OR DIFFERENT OR VARI-
	0	US OR VARIET? OR TWO OR SECOND OR THREE)
S4	2	S1 (5N) S3
S5	6	S1 (10N) S3
S6	40151	(ACOUSTIC? OR SOUND? OR TONE OR MUSIC OR AUDIO OR DTMF OR -
	F	SK OR MULTITONE)()GENERATOR? OR SPEAKER? OR LOUDSPEAKER? OR -
	S	OUNDBOARD? OR DIALER? OR AUTODIALER?
S7	3524	S6(2N) (MULTIPLE OR MULTIPLICITY OR PLURAL OR PLURALITY OR -
		ECOND OR 2ND OR TWO OR VARIOUS OR SEVERAL)
S8	82	(SMARTCARD? OR CHIPCARD? OR CARD? ? OR PCMCIA) (15N) S7
S9	15	S8 AND IC=G06F?
S10	14	S9 NOT S5
S11	14	
S12	14	· · · · · · · · · · · · · · · · · · ·
S13	133	
		NTEGRAT?)
S14	36	
S15	10	S14 NOT AD>19991221
S16	10	S15 NOT (S12 OR S5)
File		EAN PATENTS 1978-2004/Feb W03
		004 European Patent Office
File		ULLTEXT 1979-2002/UB=20040219,UT=20040212
	(c) 2	004 WIPO/Univentio

Set	Items	Description •
S1	16550	SMARTCARD? OR CHIPCARD? OR (SMART OR IC OR CHIP) () CARD? ? -
	OI	R AUTODIALER? OR DIALER?
S2	88466	TRANSDUCER? OR SOUNDBOARD? OR SPEAKER? OR LOUDSPEAKER? OR -
	(2	ACOUSTIC OR TONE OR SOUND)()GENERATOR?
s3	13531	S2(2N)(MULTIPL? OR PLURAL? OR SEVERAL OR DIFFERENT OR VARI-
	Ot	US OR VARIET? OR TWO OR SECOND OR THREE)
S4	2	S1(5N)S3
S5	6	S1 (10N) S3
S6	40151	(ACOUSTIC? OR SOUND? OR TONE OR MUSIC OR AUDIO OR DTMF OR -
	FS	SK OR MULTITONE) () GENERATOR? OR SPEAKER? OR LOUDSPEAKER? OR -
	S	OUNDBOARD? OR DIALER? OR AUTODIALER?
S7	3524	S6(2N) (MULTIPLE OR MULTIPLICITY OR PLURAL OR PLURALITY OR -
	SI	ECOND OR 2ND OR TWO OR VARIOUS OR SEVERAL)
S8	82	(SMARTCARD? OR CHIPCARD? OR CARD? ? OR PCMCIA) (15N) S7
S9	15	S8 AND IC=G06F?
S10	14	S9 NOT S5
S11	14	IDPAT (sorted in duplicate/non-duplicate order)
S12	14	IDPAT (primary/non-duplicate records only)
File	348:EUROPI	EAN PATENTS 1978-2004/Feb W03
	(c) 20	004 European Patent Office
File	349:PCT F	ULLTEXT 1979-2002/UB=20040219,UT=20040212
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